

Listing of Claims

1. **(Previously Presented)** A system for at least one of skin tanning and phototherapy, comprising:

a chamber adapted for at least one of skin tanning and phototherapy; and
a nanostructure UV light emitting device;

wherein:

the nanostructure UV light emitting device comprises at least one of a nanoparticle or a nanowire device for emitting only UVA light.

2. **(Previously Presented)** The system of claim 1, wherein the system performs skin tanning.

3. **(Previously Presented)** The system of claim 1, wherein the system performs phototherapy.

4. **(Previously Presented)** The system of claim 1, wherein the system performs both tanning and phototherapy.

5. **(Previously Presented)** The system of claim 1, wherein the chamber comprises a bed or a booth.

6. **(Cancelled)**

7. **(Previously Presented)** The system of claim 1, further comprising a UV excitation source which is positioned to provide UV excitation radiation of a first peak wavelength onto the nanostructure UV light emitting device to cause the nanostructure UV light emitting device to emit UVA light having a second UVA peak wavelength longer than the first peak wavelength.

8. **(Previously Presented)** The system of claim 7, wherein the UV light emitting device comprises nanoparticles having an average diameter smaller than 100 nm or nanowires having an average thickness smaller than 150 nm.

9. **(Previously Presented)** The system of claim 7, wherein the UV light emitting device comprises a UVA-1 light emitting device and the nanoparticles emit only UVA-1 light due to their size.

10. **(Previously Presented)** The system of claim 7, wherein the UV light emitting device comprises:

a first layer of first nanoparticles or nanowires located proximal to the UV excitation source, wherein the first nanoparticles or nanowires emit UV light of a third peak wavelength longer than the first peak wavelength when irradiated with the UV excitation radiation; and

a second layer of second nanoparticles or nanowires located distal from the UV excitation source, such that the first layer is located between the second layer and the UV excitation source, wherein the second nanoparticles or nanowires emit UV light of the second peak wavelength longer than the third peak wavelength when irradiated with the UV light from the nanoparticles or nanowires of the first layer.

11. **(Previously Presented)** The system of claim 7, wherein:

the UV excitation source comprises a gas vessel comprising a gas which is adapted to emits the UV excitation radiation in response to a stimulus; and

the UV light emitting device comprises at least one layer of nanoparticles coated on an inner surface of at least one UV light transparent wall of the gas vessel.

12. **(Previously Presented)** The system of claim 7, wherein:

the UV excitation source comprises a UV lamp; and

the UV light emitting device comprises at least one layer of nanoparticles coated on an outer surface of the UV lamp.

13. **(Previously Presented)** A system for at least one of skin tanning and phototherapy, comprising:

a first means for at least one of skin tanning and phototherapy; and
a nanostructure UV light emitting device;

wherein:

the nanostructure UV light emitting device comprises at least one of a nanoparticle or a nanowire device for emitting only UVA light.

14. **(Previously Presented)** The system of claim 13, wherein the first means is a means for skin tanning.

15. **(Previously Presented)** The system of claim 13, wherein the first means is a means for phototherapy.

16. **(Previously Presented)** The system of claim 15, wherein the first means is a means for lupus phototherapy.

17. **(Previously Presented)** A method for at least one of skin tanning and phototherapy, comprising:

providing only UVA light from a nanostructure UV light emitting device onto a skin of a human subject who is located in a chamber adapted for at least one of skin tanning and phototherapy in order to at least one of tan the skin and to provide phototherapy for the skin.

18. **(Previously Presented)** The method of claim 17, wherein the UVA light tans the skin.

19. **(Previously Presented)** The method of claim 17, wherein the UVA light provides phototherapy for the skin.

20. **(Previously Presented)** The method of claim 19, wherein the UVA light provides phototherapy to a human subject suffering from lupus.
21. **(Previously Presented)** The method of claim 17, wherein the nanostructure UV light emitting device comprises at least one of a nanoparticle and a nanowire device for emitting only UVA light and the chamber comprises a bed or a booth.
22. **(Previously Presented)** A method for lupus phototherapy, comprising providing only UVA light from a light emitting diode or a nanostructure UV light emitting device onto a skin of a human subject to provide lupus phototherapy for the skin.
23. **(Previously Presented)** The method of claim 22, wherein the step of providing comprises providing only UVA light from a light emitting diode.
24. **(Previously Presented)** The method of claim 22, wherein the step of providing comprised providing only UVA light from a nanostructure UV light emitting device.
- 25-43 **(Cancelled)**
44. **(Previously Presented)** The method of claim 22, wherein the UVA light from a light emitting diode or a nanostructure UV light emitting device is UVA-1 light.